

RECEIVED

FORM OGC-3

OCT 18 2012

STATE OF MISSOURI  
GEOLOGICAL SURVEY PROGRAM

## APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

☒ APPLICATION TO DRILL    ☐ DEEPEN    ☐ PLUG BACK    ☒ FOR AN OIL WELL    ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR

Kansas Resource Exploration and Development, LLC

DATE

10/10/2012

ADDRESS

9393 West 110th St., Suite 500

CITY

Overland Park

STATE

KS

ZIP CODE

66210

## DESCRIPTION OF WELL AND LEASE

NAME OF LEASE

Clark-Berry

WELL NUMBER

CB-16

ELEVATION (GROUND)

1044'

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINES)

 1844' ft. from ☐ North ☒ South section line 902' ft. from ☒ East ☐ West section line

WELL LOCATION

Sec. 16 Township 46 North Range 33 ☐ East ☒ West

LATITUDE

N38 48' 25.06"

LONGITUDE

W94 34' 14.08"

COUNTY

Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 902' FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 349' FEET

PROPOSED DEPTH

700' elev. 344'

DRILLING CONTRACTOR, NAME AND ADDRESS

Utah Oil, LLC

ROTARY OR CABLE TOOLS

Rotary

APPROX. DATE WORK WILL START

11/01/2012

NUMBER OF ACRES IN LEASE

370

NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 7

NUMBER OF ABANDONED WELLS ON LEASE 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME DE Exploration

ADDRESS 4595 Highway K33, Wellsville, KS 66092

NO. OF WELLS PRODUCING 4

INJECTION 2

INACTIVE 0

ABANDONED 0

STATUS OF BOND

☐ SINGLE WELL

AMOUNT \$

☒ BLANKET BOND

AMOUNT \$ 160,000

☒ ON FILE☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)

## PROPOSED CASING PROGRAM

## APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20'	8 5/8"	20	8 sks	20'	8 5/8"	20	Full length
700'	4 1/2"	11.6	125 sks	700'	4 1/2"	11.6	

I, the Undersigned, state that I am the C.O.O of the K.R.E.D (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE

DATE

10/15/12

PERMIT NUMBER

037-21140

APPROVED DATE

12-5-12

APPROVED BY

☒ DRILLER'S LOG REQUIRED☒ E-LOGS REQUIRED IF RUN☒ CORE ANALYSIS REQUIRED IF RUN☒ DRILL SYSTEM TEST INFO REQUIRED IF RUN☐ SAMPLES REQUIRED☒ SAMPLES NOT REQUIRED☐ WATER SAMPLES REQUIRED AT

## NOTE

THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE

DATE

10/16/12

MO 780-0211 (3-11)

REMIT ONE (1) COPY TO: GEOLOGICAL SURVEY PROGRAM, PO BOX 250, ROLLA, MO 65402 573-368-2143.

R ~ 180' below TD

OWNER'S NAME Kansas Resource Exploration & Development	
LEASE NAME Clark-Berry CB-16	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1844 <input checked="" type="checkbox"/> ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 902 <input checked="" type="checkbox"/> ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West from section line	
WELL LOCATION Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE N38° 48' 25.06"	LONGITUDE W94° 34' 14.08"

Section 16

N

✓

349' from  
CB-15

CB-16

Clark Berry

REMARKS	1844' FSL
<p>✓</p> <p>Section 16 is larger than 1 square mile. One square equals 682.25 feet, which accounts for the larger dimensions of this section.</p>	

<p align="center"><b>INSTRUCTIONS</b></p> <p>On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.</p>	<p>This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.</p>	
<p align="center"><b>REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143 ONE (1) COPY WILL BE RETURNED</b></p>	<p>REGISTERED LAND SURVEYOR</p>	<p>NUMBER</p>





## Missouri Department of Natural Resources

### Geographic Information Systems

## Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

☐ Universal Transverse Mercator  
[Zone 15 North]

Easting  
363628.44638325984 meters  
Northing  
4296526.725991916 meters

☐ Decimal Degrees

Latitude  
38.80696111111111 °  
Longitude  
-94.57057777777777 °

☒ Degrees, Minutes and Seconds

Latitude Degrees  
38 °  
Latitude Minutes  
48 '  
Latitude Seconds  
25.06 ''  
Longitude Degrees  
-94 °  
Longitude Minutes  
34 '  
Longitude Seconds  
14.08 ''

### Metadata

- Interstate Highways
- US Highways
- State Highways
- Railroad
- Major and Minor Roads
- County Boundary
- Lakes
- Major Rivers
- Rivers and Streams
- Missouri River
- Mississippi River
- Municipal

<b>UTM Zone 15N [Easting, Northing]</b>	[ 363628.4, 4296526.7 ] meters
<b>Decimal Degrees [Lat, Lon]</b>	[ 38.806961°, -94.570578° ]
<b>Deg, Min, Sec [Lat, Lon]</b>	[ 38° 48' 25.0", -94° 34' 14.0" ]
<b>County Name</b>	Cass
<b>County FIPS Code</b>	037
<b>Legal Description</b>	Section 16 T46N R33W
<b>Municipality</b>	NO VALUE
<b>House District</b>	123
<b>Senate District</b>	31
<b>Congressional District</b>	5
<b>MoDNR Region</b>	Kansas City Regional Office
<b>USGS 1:24,000 Quadrangle</b>	Belton [38094-G5]
<b>8 Digit Watershed</b>	10290108 [South Grand]
<b>10 Digit Watershed</b>	1029010801 [Headwaters South Grand River]
<b>12 Digit Watershed</b>	102901080101 [East Creek]
<b>Special Well Drilling Area</b>	Area 2
<b>Ecological Drainage Unit</b>	Central Plains/Osage/South Grand
<b>Level III Ecoregion</b>	Central Irregular Plains
<b>Query Time</b>	7.329 s

Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Well ID: #005390

Elev. 1069'

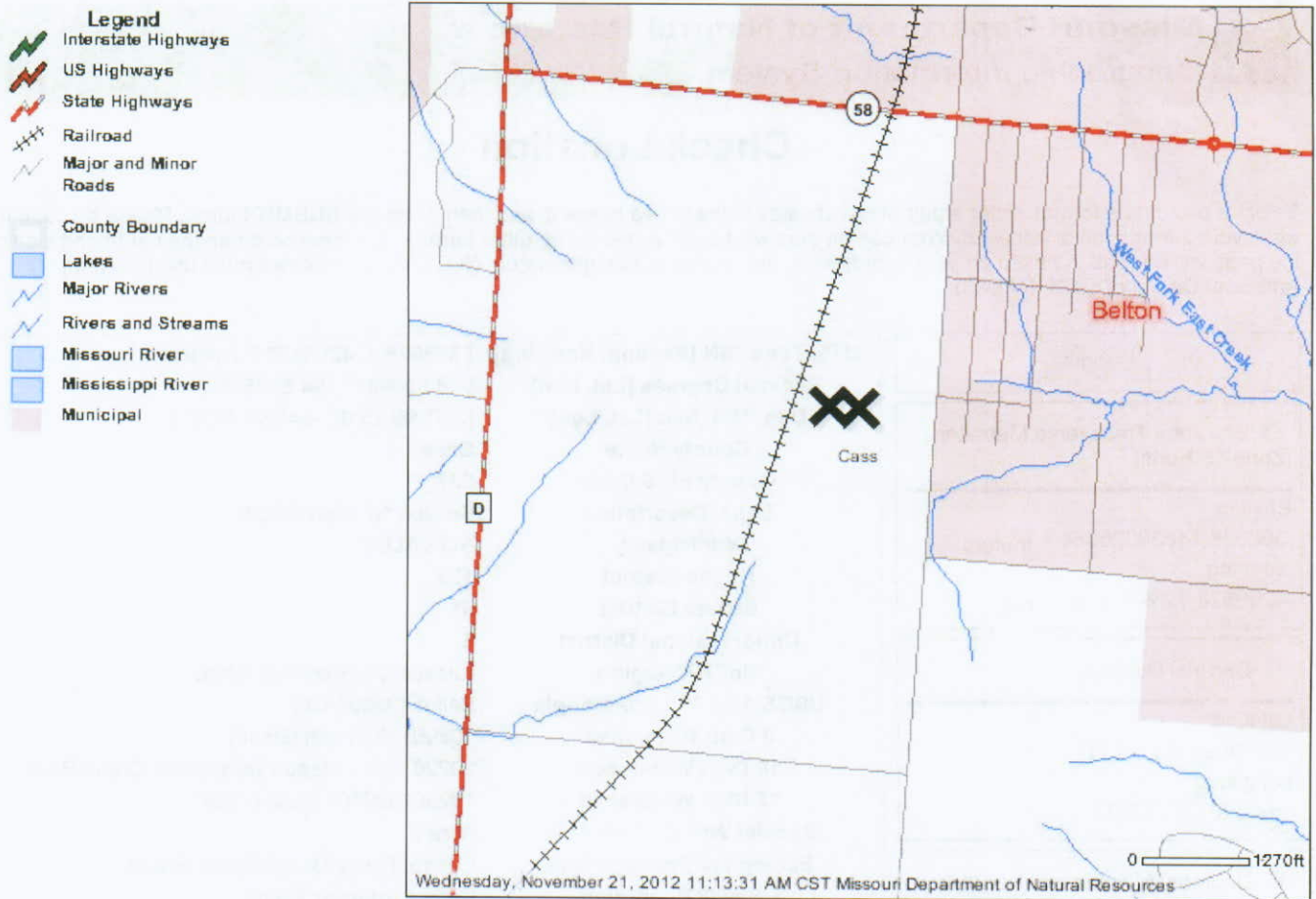
$\frac{P}{M}$ : 229' elev.  $IP_c - M$ : 345'

Well ID: #026255

$IP_c$ : 535' TD

1044 - 535 - 345

$\Rightarrow \frac{P}{M} \sim 164'$  elev.



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



Missouri  
Department of  
Natural Resources

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